

Table S1. Summary of phototrophic OTUs

taxa	number of OTUs
Cyanobacteria	197
Bacillariophyta	57
Chlorophyta	31
Eustigmatophyceae	4
Streptophyta	4
Euglenida	2
Dinoflagellata	2
unknown viridiplantae	2
Rhodophyta	1
total	300